				DIRECT S	HEA	R TEST					
				(Specin	nen	Data)					
							Date				
Proje	ect										
Borir	ng No.					_ Sample I	No				
Shea	r Box No.	Normal Stress					T/sq ft				
Spec	imen No.	Classification									
					Befor	fore Test			After Test		
				Specimen			Trimmings		Speci	imen	
Tare No.			Cutter and Glass Plates								
Weight in grams	Tare plus wet soil										
	Tare plus dry soil										
	Water	W W				W wo		W wf			
	Tare										
	Wet Soil	W					\sim		\geq	\leq	
	Dry Soil	w s									
Water content w						W o		W f			
				Initial Conditi	on of	Specimen	1				
Area in sq cm			A Volume of solids in cc				lids in cc		V		
Height in cm			Но		Void ratio = $(V_0 - V_s)$			V _s	e O		
Volume in $cc = A \times H_o$			V Saturation, %					S			
Specific gravity of solids			G Dry density in lb/cu ft					γ _d			
			Со	ndition of Specim	en A	fter Conso	lidation				
Change in height during consolidation, in.			∆ H o Vol			Volume in cc = A X H c			V _c		
Height in cm = H o - 2.54 △ H o			Нс		Void ratio = $(V_c - V_s) \stackrel{\bullet}{\cdot} V_s$				e c		
				Condition of Sp	ecim	en After T	est				
	ge in height during r test, in.	△ H Volume in cc = A X H f					V _f				
Height in cm = H 2.54			Н _f		Void ratio = $(V_f - V_s)$			V _s	e f		
Saturation, %			s								
	$= \frac{W}{1 + \frac{W_o}{100}}, V_s = -$	W _s ,	S =	$\begin{array}{c c} W_o & X & W_s \\ \hline 100 & \gamma_w \\ \hline V_o & - V_s \\ \end{array}$	_ ×	100 , S	$= \frac{\frac{W_f}{100} \times \frac{W_s}{\gamma_w}}{V_f - V_s}$	_ X 100	= _b γ, C	W _s X 62.4	
Technician			Computed by			Checked by					
NG FORM 3850			(EM 11	10-2-1906)	PLATE	E IX-1 D 4 1 4	198		(Pr	oponent: CECW-EG)	